



PATENT
Attorney Docket No. 222363
Client Reference No. 179

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Hammond et al.

Group Art Unit: 1632

Application No. 10/601,032

Examiner: Unassigned

Filed: June 20, 2003

For: METHOD FOR IDENTIFYING
INDIVIDUAL ACTIVE ENTITIES
FROM COMPLEX MIXTURES

INFORMATION DISCLOSURE STATEMENT

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Pursuant to 37 CFR 1.97 and 1.98, the references listed on the enclosed Form PTO-1449 and/or Substitute Form PTO-1449 ("Form 1449") are submitted for consideration by the Examiner in the examination of the above-identified patent application.

The full consideration of the references in their entirety by the Examiner is respectfully requested and encouraged. Also, it is respectfully requested that the references be entered into the record of the present application and that the Examiner place his or her initials in the appropriate area on the enclosed Form 1449, thereby indicating the Examiner's consideration of each of the references.

The submission of the references listed on the Form 1449 is for the purpose of providing a complete record and is not a concession that the references listed thereon are prior art to the invention claimed in the patent application. The right is expressly reserved to establish an invention date earlier than the above-identified filing date in order to remove any reference submitted herewith as prior art should it be deemed appropriate to do so.

Further, the submission of the references is not to be taken as a concession that any reference represents art that is relevant or analogous to the claimed invention. Accordingly, the right to argue that any reference is not properly within the scope of prior art relevant to an examination of the claims in the above-identified patent application is also expressly reserved.

The Information Disclosure Statement is being filed:

- ☒ within any one of the following time periods: (a) within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d); (b) within three months of the date of entry of the national stage as

set forth in 37 CFR 1.491 of an international application; (c) before the mailing date of a first Office Action on the merits; or (d) before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

- ☐ **after** (a), (b), (c) or (d) above, but before the mailing date of a final action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an action that otherwise closes prosecution in the application, and includes *one* of:

☐ the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below).

or

☐ the fee of \$180 set forth in 37 CFR 1.17(p) (see "Fees" below).

- ☐ **after** the mailing date of a final action under 37 CFR 1.113 or a Notice of Allowance under 37 CFR 1.311, or an action that otherwise closes prosecution in the application, and on or before payment of the issue fee, and includes the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below), and the fee of \$180 as set forth in 37 CFR 1.17(p) (see "Fees" below).

- ☐ **after** the mailing date of a Notice of Allowance under 37 CFR 1.311, and on or before payment of the issue fee, and **within** thirty days of receiving each item of information contained in the Information Disclosure Statement, and includes the Statement under 37 CFR 1.704(d) (see "Statement under 37 CFR 1.704(d)" below), and the fee of \$180 as set forth in 37 CFR 1.17(p) (see "Fees" below).

NOTE: This is for original applications except applications for a design patent, filed on or after May 29, 2000, wherein a paper containing only an Information Disclosure Statement in compliance with 37 CFR 1.97 and 1.98 is being filed.

Copies of the References

- ☒ Copies of the references listed on the enclosed Form 1449 are enclosed herewith. Attached to each reference not in the English language is a concise explanation of the relevance pursuant to 37 CFR 1.98(a)(3). An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of the relevance pursuant to 37 CFR 1.98(a)(3).

- ☒ A copy of the international search report is enclosed herewith.

- ☐ The references listed on the enclosed Form 1449 were previously identified in the parent application(s) of the present application, and copies of the references were furnished at that time. Accordingly, additional copies of the references are not submitted herewith, so as not to burden the file with duplicate copies of references. The Examiner is respectfully requested to carefully review the references in accordance with the requirements set out in the Manual of Patent Examining Procedure. In accordance with 37 CFR 1.98(d), the details of the parent application(s)

relied upon for an earlier filing date under 35 USC 120 in which copies of the references were previously furnished are set out below:

U.S. APPLICATIONS		Status (<i>check one</i>)		
U.S. APPLICATIONS	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
1.				
2.				
3.				

Statement under 37 CFR 1.97(e)

- ☐ The **undersigned** hereby states that each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the Information Disclosure Statement.
- ☐ The **undersigned** hereby states that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

Statement under 37 CFR 1.704(d)

- ☐ The **undersigned** hereby states that each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 CFR 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

Fees

- ☒ No fee is owed by the applicant(s).
- ☐ The IDS Fee of \$180 under 37 CFR 1.17(p) is enclosed herewith.

Method of Payment of Fees

- ☐ Attached is a check in the amount of \$.
- ☐ Charge Deposit Account No. 12-1216 in the amount of \$. (A duplicate copy of this communication is enclosed for that purpose.)


In re Appln. of Hammond et al.
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Authorization to Charge Additional Fees

- ☒ If any additional fees are owed in connection with this communication, please charge Deposit Account No. 12-1216. (A duplicate copy of this communication is enclosed for that purpose.)

Instructions as to Overpayment

- ☒ Credit Account No. 12-1216.
☐ Refund



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Please type a plus sign (+) inside this box →



Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
Sheet		1	of	2	Application Number 10/601,032
					Filing Date June 20, 2003
					First Named Inventor HAMMOND, David J.
					Group Art Unit 1632
					Examiner Name Unassigned
					Attorney Docket Number 222363

U.S. PATENT DOCUMENTS						
Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
		Application or Patent Number	Kind Code			
	AA	5,010,175		Rutter et al.	Apr. 23, 1991	
	AB	5,133,866		Kauvar	Jul. 28, 1992	
	AC	5,482,867		Barrett et al.	Jan. 9, 1996	
	AD	5,498, 538		Kay et al.	Mar. 12, 1996	
	AE	5,723,579		Buettner et al.	Mar. 3, 1998	
	AF	5,786,458		Baumbach et al.	Jul. 28, 1998	
	AG	2002/0055125	A1	Charych et al.	May 9, 2002	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Doc. No.	Foreign Patent Document			Name of Patentee or Applicant	Date of Publication	Translation	
		Office	Application or Patent Number	Kind Code			Yes	No**
	AH	WO	92/00091	A1	Biologand, Inc.	Jan. 9, 1992		
	AI	WO	01/27623	A2	V.I. Technologies, Inc.	Apr. 19, 2001		
	AJ	WO	01/40265	A2	V.I. Technologies, Inc.	Jun. 7, 2001		

OTHER - NON PATENT LITERATURE DOCUMENTS					Translation	
Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.			Yes	No**
	AK	Bastek et al., "Discovery of Alpha-1-Proteinase Inhibitor Binding Peptides from the Screening of a Solid Phase Combinatorial Peptide Library," <i>Separation Science and Technology</i> , 35(11): 1681-1706 (2000).				
	AL	Baumbach et al., "Protein Purification Using Affinity Ligands Deduced from Peptide Libraries," <i>BioPharm.</i> , May: 24-31 (1992).				
	AM	Blackwell et al., "A One-bead, One-stock Solution Approach to Chemical Genetics: Part I," <i>Chemistry & Biology</i> , 8: 1167-1182 (2001).				
	AN	Buettner et al., "Chemically Derived Peptide Libraries: A New Resin and Methodology for Lead Identification," <i>International Journal of Peptide & Protein Research</i> , 47: 70-83 (1996).				
	AO	Cabilly et al., "Screening Phage Display Peptide Libraries on Nitrocellulose Membranes," <i>Methods in Molecular Biology</i> , 87:185-94 (1998).				
	AP	Chen et al., "One Bead-One Compound Combinatorial Peptide Library: Different Types of Screening," <i>Methods in Enzymology</i> , 267: 211-219 (1996).				
	AQ	Devlin et al., "Random Peptide Libraries: A Source of Specific Protein-Binding Molecules," <i>Science</i> , 249: 404-406 (1990).				
	AR	Furka et al., "General Method for Rapid Synthesis of Multicomponent Peptide Mixtures," <i>Int. J. Peptide Protein Res.</i> , 37(6): 487-493 (1991).				

Examiner Signature	Date Considered
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* A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

(Use as many sheets as necessary)

Sheet

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of

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Application Number	10/601,032
Filing Date	June 20, 2003
First Named Inventor	HAMMOND, David J.
Group Art Unit	1632
Examiner Name	Unassigned
Attorney Docket Number	222363

[illegible]

Date Considered

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+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).